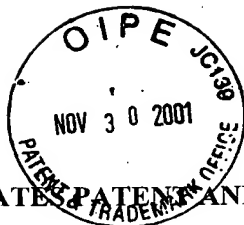


Docket No. 213309US2PCT/sdc



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hiroyuki ATARASHI, et al.

SERIAL NO: 09/926,089

GAU: 2661

FILED: August 28, 2001

EXAMINER:

FOR: PATH SEARCH METHOD, CHANNEL ESTIMATION METHOD AND COMMUNICATION DEVICE

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DEC 04 2001

Technology Center 2300

INFORMATION DISCLOSURE/RELATED CASE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the attached International Search Report listed on the attached form PTO-1449. Copies of the reference(s) have been received by the U.S. PCT Receiving Office from the International Bureau as acknowledged in the Notification of Acceptance.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

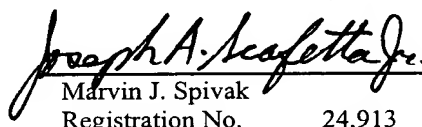
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.


Marvin J. Spivak

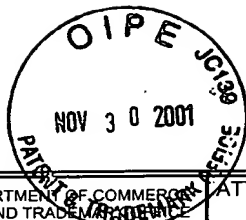
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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 213309US2PCT		SERIAL NO. 09/926,089	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Hiroyuki ATARASHI, et al.			
				FILING DATE August 28, 2001		GROUP 2661	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,175,558	01/16/2001	K. MIYA			
	AB						RECEIVED
	AC						DEC 04 2001
	AD						
	AE						Technology Center 2600
	AF						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AG	10-233713	09/02/98	JAPAN (submitting English translation only)			
	AH	9-8770	01/10/97	JAPAN (submitting English Abstract and corr. US 6,175,558 only)			
	AI	11-68700	03/09/99	JAPAN (submitting English translation only)			
	AJ	2001-53644	02/23/2001	JAPAN (submitting English translation only)			
	AK	2000-252867	09/14/2000	JAPAN (submitting English translation only)			
	AL						
	AM						
	AN						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AO	S. ABETA, et al., Technical Report of IEICE. A P99-133, RCS99-130, Vol. 99, No. 357, pps. 63-70, "PERFORMANCE COMPARISONS OF COHERENT SC/DS-CDMA, MC/DS-CDMA, MC-CDMA ON DOWN-LINK BROADBAND RADIO PACKET TRANSMISSION," October 15, 1999 (Submitting English translation only)					
	AP	H. ATARASHI, et al., Technical Report of IEICE. A P99-134, RCS99-131, Vol. 99, No. 357, pps. 71-77, "PERFORMANCE COMPARISONS OF COHERENT SC/DS-CDMA, MC/DS-CDMA ON UP-LINK BROADBAND RADIO PACKET TRANSMISSION," October 15, 1999 (submitting English translation only)					
	AQ	T. KUMAGAI, et al., Proceedings of the B-5-91 of Communications Society Meeting, the Institute of Electronics, Information and Communication Engineers, pp. 326, "AN IMPROVED CHANNEL EQUALIZATION SCHEME FOR OFDM WIRELESS LAN SYSTEMS," August 16, 1999 (submitting English translation only)					
	AR	A. HIGASHI, et al., Technical Report of IEICE A P94-74, RCS94-98, Vol. 94, No. 312, pps. 57-62, "PERFORMANCE OF COHERENT RAKE DETECTION USING INTERPOLATION ON DS/CDMA," October 28, 1994 (submitting English translation only)					
	AS	T. ISHII, et al., Proceedings B-5-27 of General Meeting, The Institute of Electronics, Information and Communication Engineers, pp. 414, "REPEATEDLY UPDATED CHANNEL ESTIMATION FOR DS-CDMA WITH DECISION FEEDBACK AND EXTRAPOLATION," March 6, 1997 (submitting English translation only)					
	AT	M. NAKAMURA, et al., Proceedings B-5-60 of Communication Society Meeting, the Institute of Electronics, Information and Communication Engineers, pps. 310, "A STUDY OF DECISION FEEDBACK CHANNEL ESTIMATION FOR W-CDMA," September 7, 1998 (submitting English translation only)					
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							